

**RUSSELL CITY DATA ADEQUACY DETERMINATION
(12-MONTH AND 6-MONTH DATA ADEQUACY)**

Technical Area	Data Adequacy			
	12-Mo.	Page No.	6-Mo.	Page No.
Air Quality	No	1	No	65
Alternatives	Yes	5	N/A	N/A
Biology	Yes	6	Yes	67
Cultural	No	10	No	69
Efficiency	Yes	13	N/A	N/A
Facility Design	Yes	15	Yes	70
Geology	Yes	18	Yes	71
Hazardous Materials	Yes	20	Yes	72
Land Use	Yes	22	Yes	74
Noise	No	25	Yes	76
Paleontology	Yes	28	Yes	77
Project Overview	Yes	30	Yes	78
Public Health	Yes	33	Yes	80
Reliability	Yes	35	N/A	N/A
Socioeconomics/Environmental Justice	No	37	Yes	82
Soils	Yes	40	No	83
Trans Line Safety/Nuisance	Yes	42	Yes	80
Traffic and Transportation	Yes	45	Yes	87
Transmission System Engineering	Yes	48	Yes	88
Visual	No	51	No	90
Waste	Yes	54	Yes	91
Water	No	57	No	83
Worker Safety	Yes	63	Yes	92

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Air Quality
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City
 Docket: 01-AFC-7

Revision No. 00 Date June 5, 2001
 Technical Staff: Matt Layton
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.1.1 (pg. 8.1-1) Section 8.1.2 (pg. 8.1-3) Section 8.1.3 (pg. 8.1-6) Section 8.1.4 (pg. 8.1-11) Section 8.1.5.1 (pg. 8.1-20) Section 8.1.5.4 (pg. 8.1-43) Section 8.1.8 (pg. 8.1-53) Table 8.1-13 (pg. 8.1-21) Table 8.1-14 (pg. 8.1-22) Appendix 8.1-E	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.		No	On June 1st Mike Ringer (CEC) spoke to Ken Lim (BAAQMD) who indicated that BAAQMD had yet to receive a permit application. Please provide a letter from the BAAQMD indicating that they have all information necessary to complete a DOC.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Section 8.1.5.1 (pg. 8.1-20) Table 8.1-12 (pg. 8.1-21) Table 8.1-17 (pg. 8.1-23) Appendix 8.1A.1.3 Table 8.1A-9 (Appx. A) Table 8.1A-3a (Appx. A) Table 8.1B-1B (Appx. B)	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 8.1.6.3 (pg. 8.1-43)	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Section 2.2.8 (pg. 2-13) Section 7.3.2 (pg. 7-8) Table 7-2 (pg. 7-4) Appendix 8.1A Table 8.1A-4 & 6 (Appx. A)	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 2.2.8 (pg. 2-13) Section 7.3.2 (pg. 7-8) Table 7.2 (pg. 7-4) Appendix 8.1A Table 8.1A-4 & 6 (Appx. A)	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
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Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 8.1.5 (pg. 8.1-20) Table 8.1-18 (pg. 8.1-23) Table 8.1-22 (pg. 8.1-32) Appendix 8.1A	Yes	
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 8.1.3 (pg. 8.1-6)	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	CD-ROM	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	N/A	The data is not collected from on site.
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 8.1.1.2 (pg. 8.1-1) CD-ROM (Met.zip) Table 8.1-1 (pg. 8.1-3) Figure 8.1-6a to 6f	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:	-	-	-

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 Technical Area: Air Quality
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Appendix 8.1E	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 8.1.5.1 (pg. 8.1-20) Table 8.1-22 (pg. 8.1-32) Appendix 8.1B	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Section 8.1.7 (pg. 8.1-49) Appendix 8.1H	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	-	-	-
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Section 8.1.6.3 (pg. 8.1-45) Table 8.1-34 (pg. 8.1-45) Table 8.1-35 (pg. 8.1-46)	Yes	

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 Project Manager: Sandra Fromm

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 Technical Senior: Mike Ringer

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Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Section 8.1.8 (pg. 8.1-53) Appendix 8.1G	Yes	
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Section 8.1.6.3 (pg. 8.1-43)	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Figure 8.1-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.1-37 (pg. 8.1-50)	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.1-10 (pg. 8.1-12)	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.1.4.1 (pg. 8.1-12) Table 8.1-37 (pg. 8.1-50)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.1-10 (pg. 8.1-12)	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.1-37 (pg. 8.1-50)	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Alternatives
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 6, 2001
 Technical Staff: Sandra Fromm
 Technical Senior: Paul Richins

Project: Russell City
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	PP 9.1 - 9.27; §9	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	PP 9.2; §9	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	PP 9.19-9.27; §9.5, §9.6	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Biological Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City Energy Center
 Docket: 01-AFC-7

Revision No. _____ Date 5/29/01
 Technical Staff: Rick York, Stuart Itoga
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing Site Conditions: 8.2.1, pages 8.2-1-8.2-4., Section 8.2.2.10, pages 8.2-15-8.2-18. Direct and Indirect Impacts: Section 8.2.2, pages 8.2-18-8.2-25. Cumulative Impacts: Section 8.2.3, page 8.2-25.	Yes	
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional Overview: Sections 8.2.1.1-8.2.1.8, pages 8.2-1-8.2-12. Biological Resources Discussion: Sections 8.2.1.1-8.2.1.8, pages 8.2-1-8.2-12. Map: page 8.2-6, figure 8.2-2.	Yes	
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Discussion: Sections 8.2.1-8.2.8, pages 8.2-1-8.2-12. Map: page 8.2-36, figure 8.2-3. Species lists, actual: Tables 8.2-3, 8.2-4, potential: Tables 8.2-1, 8.2-2.	Yes	

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Surveys: Section 8.2.1.9, pages 8.2-12-8.2-15. Survey Forms: NA Resumes: AFC, Volume 2, Appendix 8.2-C.	Yes	Additional rare plant survey information yet to be submitted by applicant upon completion of surveys scheduled for June and July 2001. AFC Section 8.2.1.9, page 8.2-13.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Permanent and temporary impacts: Section 8.2.2.2, pages 8.2-16-8.2-18. Cooling tower drift: Section 8.2.2.4, pages 8.2-20-8.2-24. Use/discharge of water: Section 8.2.2.5.	Yes	
Appendix B (g) (13) (E)	A discussion of the following:			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Mitigation measures: section 8.2.4, page 8.2-25.	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation measures: Section 8.2.4, page 8.2-25.	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	NA	NA	

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 Technical Area: Biological Resources
 Project Manager: Sandra Fromm

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Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Mitigation measures: Section 8.2.4, page 8.2-25.	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Discussion: Section 8.2.1.6, page 8.2-2.	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	State and Federally listed species: 8.2.18, pages 8.2-2-8.2-12.	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Title 20 Resources: Areas of Critical Concern: sections 8.2.2.3, 8.2.1.4, 8.2.1.7 page 8.2-2. Species of Concern: Section 8.2.1.8, pages 8.2-2-8.2-12.	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Sections: 8.2.1.3-8.2.1.8	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS Table: Section 8.2.5, pages 8.2-26-8.2-30.	Yes	

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Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.2.5, Table 8.2-7, pages 8.2-26-8.2-30	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.2.5, Table 8.2-7, pages 8.2-26-8.2-30.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.2.6, Table 8.2-8, page 8.2-31.	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.2.7, Table 8.2-9, page 8.2-31.	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Cultural Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City Energy Center
 Docket: 01-AFC-7

Revision No. 1 Date 05/26/01
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol 1, p. 8.3-1 & 8.3-11,12 AFC Vol 1, p. 8.3-14, 15 AFC Vol 1, p. 8.3-15,16 AFC Vol 1, p. 8.3-18	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol 1, p. 8.3-1 to 8.3-10 AFC Vol 1, Fig. 8.3-1	Yes	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC Vol 1, p. 8.3-13 AFC Vol 1, p. 8.3-11,12	No	Please identify and provide the qualifications (resumes) for the members of the project team who conducted the drive-by architectural reconnaissance.

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Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC Vol 1, p. 8.3-13 AFC Vol 1, p. 8.3-13	No	Please identify the location of any buildings, features or objects that may be older than 45 years that are adjacent to the project or the linears (one property deep).
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	AFC Vol 1 p. 8.3-12 AFC Vol 2, Appendix 8,3 B	Yes	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Vol 1, p. 8.3-15 AFC Vol 1, p. 8.3-15,16	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol 1, p. 8.3-18 AFC Vol 1, p. 8.3-17 AFC Vol 1, p. 8.3-18	Yes	

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Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Vol 1, p. 8.3-17	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol 1, p. 8.3-17	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Vol 1, p. 8.3-18	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol 1, p. 8.3-17	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Efficiency
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 1, 2001
 Technical Staff: Shahab Khoshmashrab
 Technical Senior: Steve Baker

Project: Russell City Energy Center
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Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Figures 2.2-3a, 2.2-3b	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§ 2.2.6	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 1.1, 2.2.16, 2.2.18.1, 9.0, 9.1, 10.2.2, 10.3	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.1, 2.2.16, 2.2.18.1, 9.0, 9.1, 10.2.2, 10.3	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 1.4, 9.6	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	N/A	N/A	

Adequacy Issue: Adequate Inadequate
 Technical Area: Efficiency
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 1, 2001
 Technical Staff: Shahab Khoshmashrab
 Technical Senior: Steve Baker

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate Inadequate
 Technical Area: Facility Design
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City Energy Center
 Docket: 01-AFC-07

Revision No. 0 Date May 31, 2001
 Technical Staff: Shahab Khoshmashrab
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Water Resources	N/A	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Water Resources	N/A	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Water Resources	N/A	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources	N/A	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Water Resources		
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 10.4-1 §§ 2.4, 10.1, 10.4 Appendices 10-A through 10-G	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 10.4-2 §§ 10.5, 10.6	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Appendices 10-A through 10-G	Yes	
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Tables 8.4-4, 10.4-2 § 8.4.6	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Facility Design
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 31, 2001
 Technical Staff: Shahab Khoshmashrab
 Technical Senior: Steve Baker

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 5.6, Table 8.4-5 §§ 8.4.7, 10.6	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§§ 2.2.17.1, 8.4, 8.4.1.1 through 8.4.1.6, 8.8.1.2, 8.15.1, 8.15.1.1, 8.15.1.2, Figure 8.15.3 Appendices 10-A, 10-B3.6	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§ 8.4.4, Appendices 10-B5, 10-B5.1, 10-B5.2	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Appendices 10-B3, 10-B4	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	Figures 2.2-1, 2.2-2a, 2.2-2b, 2.2-3a, 2.2-3b, 2.2-4, 2.3-1	Yes	
Appendix B (i) (1) (D) (i)	The power generation system;	§§ 1.1.1, 2.2.2, 2.2.3, 2.2.4.1, 2.2.4.2, 2.2.4.3, 2.2.4.4, 2.2.6	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	§ 2.2.8	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§§ 1.1.2, 1.5.2, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.4, 2.2.8, 2.3.1.2	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§§ 2.2.2, 2.2.4.2, 2.2.11, through 2.2.11.4	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§§ 1.1.1, 1.1.2, 2.2.9 through 2.2.9.3, 2.3.1.5	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 31, 2001

Technical Area: Facility Design

Project: Russell City Energy Center

Technical Staff: Shahab Khoshmashrab

Project Manager: Sandra Fromm

Docket: 01-AFC-07

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§§ 1.1.1, 2.1, 2.2.5, 2.2.14, 6.0	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	N/A	N/A	

Adequacy Issue: Adequate Inadequate
 Technical Area: Geologic Hazards and Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001
 Technical Staff: Horacio Ferriz, Ph.D.
 Technical Senior: Lynn Alexander

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 8.4.1.1 and 8.4.1.3 (pp. 8.4-1 and 8.4-2) Section 8.4.1.5 (pp. 8.4-9 to 8.4-14) Section 8.4.2 (pp. 8.4.-18 to 8.4-20) Section 8.4.3 (p. 8.4-20)	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Sections 8.4.1.5 through 8.4.1.7 (pp. 8.4-9 to 8.4-17)	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Figure 8.4-2 Section 8.4.1.5 (pp.8.4.9 and 8.4-14) Section 8.4.1.6 (pp. 8.4-15 to 8.4-17)	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Section 8.4.1.7 (p. 8.4-17)	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Geologic Hazards and Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001
 Technical Staff: Horacio Ferriz, Ph.D.
 Technical Senior: Lynn Alexander

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.4-3 (p. 8.4-20)	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.4-4 (p. 8.4-21)	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 8.4.2.1 and 8.4.2.2 (pp. 8.4-18 and 8.4-19)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.4-4 (p.8.4-21)	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.4-5 (p.8.4-21)	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Hazardous Materials Handling
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City Energy Center
 Docket: 01-AFC-7

Revision No. 1 Date 6/5/01
 Technical Staff: R. Tyler
 Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.5	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 8.5-3	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 8.9-2	yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 8.5	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 8.5.2.1	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 8.5.4.4	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 8.5	Yes	

Adequacy Issue: Adequate Inadequate _____
 Technical Area: Hazardous Materials Handling
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City Energy Center
 Docket: 01-AFC-7

Revision No. 1 Date 6/5/01
 Technical Staff: R. Tyler
 Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 8.5.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.5-10	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.5.11	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.15	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.5-11	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required

Adequacy Issue: Adequate Inadequate
 Technical Area: Land Use
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 00 Date 5/30/01
 Technical Staff: David Flores
 Technical Senior: Eileen Allen

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 8.6-1 Sec. 8.6.1.1 AFC pg. 8-6-2 Sec. 8.6.1.2 AFC pg. 8.6-10 Sec. 8.6.2 AFC pg. 8.6-14 Sec. 8.6.3 & 4	YES	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	AFC pg. 8.6-1 through 7 Sec. 8.6.1 through 8.6.1.3	YES	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	AFC pg. 8.6-1 through 7 Sec. 8.6.1.1 & 2 Figure 8.6-1	YES	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	AFC pg. 8.6-7 through 10 Sec. 8.6.1.3 & 4	YES	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	AFC pg. 8.6-9 & 10 Sec. 8.6.1.4	YES	
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figure 8.6-1 Figure 8.6-2 Figure 8.6-3	YES	

Adequacy Issue: Adequate Inadequate
 Technical Area: Land Use
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 00 Date 5/30/01
 Technical Staff: David Flores
 Technical Senior: Eileen Allen

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	AFC pg. 8.6.11 through 13 Sec. 8.6.2.2 AFC pg. 8.6-14 through 16 Sec. 8.6.5 through 8.6.5.3	YES	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figure 8.6-1 No Agricultural Land	N/A	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	No Agricultural Land	N/A	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	No Agricultural Land Figure 8.6-1	N/A	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	No Agricultural Land See Soil Data Adequacy Sheet	N/A	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	No Agricultural Land	N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		YES	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date 5/30/01

Technical Area: Land Use

Project: Russell City Energy Center

Technical Staff: David Flores

Project Manager: Sandra Fromm

Docket: 01-AFC-07

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 8.6-16 Table 8.6-3 Sec. 8.6.6	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 8.6-14 Sec. 8.6.5	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 8.6-16 Sec. 8.6.6 Table 8.6-3	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg. 8.6-16 Sec. 8.6.7 Table 8.6-4	YES	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Noise
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 6/4/01
 Technical Staff: _____
 Technical Senior: Jim Buntin

Project: Russell City Energy Center Project
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Section 8.7	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	AFC Figures 8.6-1, 8.6-2, 8.7-1	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L _{eq} (equivalent sound or noise level), L _{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L ₁₀ , L ₅₀ , and L ₉₀ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	AFC Section 8.7.1.1	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	AFC Table 8.7-2, Section 8.7.2.3, Appendix 8,7-A	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Noise
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 6/4/01
 Technical Staff: _____
 Technical Senior: Jim Buntin

Project: Russell City Energy Center Project
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	AFC Tables 8.7-4, 8.7-5	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	AFC Tables 8.7-4, 8.7-5, Figure 8.7-8, Section 8.7.5.1	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	None.	No	Description of noise levels at right-of-way of new 1.1-mile length 230 kV transmission line. Description of whether project will result in changes in existing noise levels at PG&E Eastshore Substation.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Table 8.7-6	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Section 8.7.5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Section 8.7.5, Table 8.7-6	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 6/4/01

Technical Area: Noise

Project: Russell City Energy Center Project

Technical Staff: _____

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Jim Buntin

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Table 8.7-7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Section 8.7.7	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Paleontologic Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 5/31/01
 Technical Staff: Horacio Ferriz
 Technical Senior: Lynn Alexander

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 8.8.1.1 and 8.8.1.2 (pp. 8.8-1 through 8.8.-4) Sections 8.8.2 and 8.8.3 (pp. 8.8-8 through 8.8-10) Section 8.8-4 (p. 8.8-10)	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Sections 8.8.1.1 and 8.8.1.2 (pp. 8.8-1 through 8.8.-4)	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Section 8.8.1.5 (p. 8.8-6)	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Section 8.8.1.3 (pp. 8.8-4 the 8.8-5)	Yes	
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Figure 8.8-A-1 (confidential) Appendix 8.8-A (confidential)	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Paleontologic Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 5/31/01
 Technical Staff: Horacio Ferriz
 Technical Senior: Lynn Alexander

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Section 8.8.4 (p. 8.8-10)	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.8-3 (p. 8.8-11) Section 8.8.5 (pp. 8.8-10 to 8.8-11)	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not Applicable	NA	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.8.5 (opening paragraph of section in p. 8.8-10)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not Applicable	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable	N/A	

Adequacy Issue: Adequate Inadequate
 Technical Area: Project Overview
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 6, 2001
 Technical Staff: Sandra Fromm
 Technical Senior: Paul Richins

Project: Russell City
 Docket: 01-AFC-02

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.		N/A	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and		N/A	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference		N/A	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principle subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Appendix 1-D	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	PP 1-1 - 1-2 (§1.0); PP 2-1 - 2-4.2 (§2.0)	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Appendix 1-A	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Photograph 1-1; Map 1-2; PP 2-1 (§2.2.1); PP 8.13.1-4 (§8.13.1)	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Photographs 8.13-3a-3b to 8.13.9a-b	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Project Overview
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 6, 2001
 Technical Staff: Sandra Fromm
 Technical Senior: Paul Richins

Project: Russell City
 Docket: 01-AFC-02

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix 1-B	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	PP 1-2 (§1.2)	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	PP 1-5 (§1.3)	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	PP 1-6 (§1.3.4)	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	PP 1-5 - 1-6 (§1.3)	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Figure 1-2; Appendix 1-A	Yes	
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	PP 2.2-1; 2.2-2a; 2.2-2b	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	PP 2-1 - 2.42 (§2.0)	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Project Overview
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 6, 2001
 Technical Staff: Sandra Fromm
 Technical Senior: Paul Richins

Project: Russell City
 Docket: 01-AFC-02

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	§6.1-1	Yes	
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	§8.13-9b	Yes	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.		N/A	
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	PP 4-1 (§4.0)	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30,2001

Technical Area: Public Health
 Project Manager: Sandra Fromm

Project: Russell City
 Docket: 01-AFC-7

Technical Staff: Obed Odoemelam
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.9, pages 8.9-1 through 8.9-6, and page 8.9-13	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Section 8.9, pages 8.9-7 and 8.9-9	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Section 8.9, pages 8.9-7 and 8.9-8	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Section 8.9, page 8.9-17	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 8.9, page 8.9-17	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30,2001

Technical Area: Public Health
 Project Manager: Sandra Fromm

Project: Russell City
 Docket: 01-AFC-7

Technical Staff: Obed Odoemelum
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.9, pages 8.9-15 and 8.9-16	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.9, pages 8.9-15 and 8.9-16	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.9, pages 8.9-8 through 8.9-13	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.9, page 8.9-16	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.9, page 8.9-16	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Reliability
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 31, 2001
 Technical Staff: Shahab Khoshmashrab
 Technical Senior: Steve Baker

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1.1, 1.1.2, 1.5.2, 1.6.4, 2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5.2, 2.2.5.3, 2.2.5.4, 2.2.6, 2.2.7, 2.2.8, 2.2.11, 2.2.16, 2.2.17, 2.2.17.1, 2.2.18 through 2.2.18.5, 2.3.3 through 2.3.3.4, 5.0, 5.1, 5.2, 7.3, 10.2, 10.2.1, 10.2.2, 10.3, Table 2-2, Appendices 5-A, 7-A	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.1.1, 1.1.2, 1.6.4, 2.2.6, 2.2.18.3, 5.0, 10.2.1 Appendix 5-A	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	_____	_____	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 2.2.2, 2.2.16, 2.2.18.1, 2.3.3.1, 10.2.2, 10.3	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.1.1, 1.1.2, 1.5.2, 1.6.4, 2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.6, 2.2.7, 2.2.8, 2.2.11, 7.1, 7.2, 7.3 Appendix 7-A	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.1.1, 1.1.2, 1.5.2, 2.1, 2.2.7, 2.2.17, 2.2.17.1, 2.2.18.4, 2.3.3.3, 7.2, 7.3 Appendix 7-A	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	Table 2-2, §§ 2.2.5.2, 2.2.5.3, 2.2.5.4, 2.2.18.2, 2.3.3.2, 10.2.1, 10.2.2	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§§ 2.2.18.1, 2.3.3.1, 10.2.2	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Reliability
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 31, 2001
 Technical Staff: Shahab Khoshmashrab
 Technical Senior: Steve Baker

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	N/A	N/A	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Socioeconomics
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date May 25, 2001
 Technical Staff: Amanda Stennick
 Technical Senior: Dale Edwards

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.10	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	Section 8.10	Yes	(see below)
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Sections 8.10 1.7; 8.10.2.3; 8.10.2.4 Table 8.10-6	No	Please provide a list of the applicable local agencies with taxing powers and their most recent and projected revenues.
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Tables 8.10-1, 8.10 – 8,9,10 Section 8.10.1.1	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Section 8.10.1.3 Table 8.10-3	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Table 8.10-4	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Section 8.10.1.2 Table 8.10-2	Yes	
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Sections 8.10.1.4; 8.10.1.5; 8.10.1.6	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Socioeconomics
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date May 25, 2001
 Technical Staff: Amanda Stennick
 Technical Senior: Dale Edwards

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	See below	Yes	
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Table 8.10-5	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Section 8.10.2.3	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Section 8.10.2.3	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Sections 8.10.2.3; 8.10.2.4	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Sections 8.10.2.3; 8.10.2.4	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Section 8.10.2.4	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Sections 8.10.2.3; 8.10.2.4	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Section 8.10.2.3; 8.10.2.4	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Section 8.10.2.4	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Socioeconomics
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date May 25, 2001
 Technical Staff: Amanda Stennick
 Technical Senior: Dale Edwards

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	Table 8.10-10	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.10-10	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	NA	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.10-10	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Soils
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City Energy Center
 Docket: 01 – AFC - 7

Revision No. _____ Date 6.08.01
 Technical Staff: Joe Crea
 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.11.2.1, p.8.11-5 to 8 Section 8.11.2.2, p. 8.11-8 to 10	Yes	
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figure 8.11-1	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Section 8.11.1.1, p.8.11-1 to 2 Table 8.11-1	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Table 8.11-2	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Section 8.1, p.8.11-1 Section 8.11.1.2, p.8.11-5	Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	N/A	N/A	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Section 8.1.6.3, p.8.1-48 Section 8.2.2.4, p.8.2-20 to 24		

Adequacy Issue: Adequate Inadequate
 Technical Area: Soils
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 6.08.01
 Project: Russell City Energy Center Technical Staff: Joe Crea
 Docket: 01 – AFC - 7 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.11-3 Table 8.15-5 Table 8.15-6	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.11-5 Tables 8.15-5 and 8.15-7 Table 8.4-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.11-3 Table 8.15-5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.11-4 Table 8.15-6 Table 8.4-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.11-5 Table 8.15-7 Table 8.4-5	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Transmission Line Safety and Nuisance.
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City
 Docket: 01-AFC-7

Revision No. 0 Date May 30,2001
 Technical Staff: Obed Odoemelam
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.		N/A	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N/A	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and		N/A	
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.		N/A	

Adequacy Issue: Adequate Inadequate
 Technical Area: Transmission Line Safety and Nuisance.
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City
 Docket: 01-AFC-7

Revision No. 0 Date May 30,2001
 Technical Staff: Obed Odoemelum
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 6.0, pages 6-1 and 6-2	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 6.0, pages 6-31 through 6-46	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 6.0, page 6-45	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 6.0, pages 6-47 through 6-50	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 6.0, page 6-50	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Transmission Line Safety and Nuisance.
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City
 Docket: 01-AFC-7

Revision No. 0 Date May 30,2001
 Technical Staff: Obed Odoemelam
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.0, pages 6-31 through 6-47	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 6.0, page 6-50	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 6.0, page 6-50	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Traffic and Transportation
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001
 Technical Staff: Mark R. Hamblin
 Technical Senior: Eileen Allen

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pg. 2-1 -2, Section 2.1 – 2.2.2. Pg. 8.12 –1-2, Section 8.12.1.2. Pg. 8.12-14 – 23, Sections 8.12.2.2 – 8.12.4.2.	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Figure 8.12-1 Figure 8.12-5	Yes	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Figure 8.12-1 Figure 8.12-2 Figure 8.12-5	Yes	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Table 8.12-5	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Figure 8.12-4 Table 8.12-3 Table 8.12-4 Figure 8.12-6	Yes	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Table 8.12-8	Yes	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Pg. 8.12-2 – 8, Section 8.12.1.3.	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Pg. 8.12-2, Section 8.12.1.3. & Pg. 8.12-8. Figure 8.12-4.	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Traffic and Transportation
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001
 Technical Staff: Mark R. Hamblin
 Technical Senior: Eileen Allen

Project: Russell City Energy Center
 Docket: 01-AFC-07

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Pg. 8.12-8, Section 8.12.1.3.	Yes	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Pg. 8.12-9, Section 8.12.1.3.	Yes	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Pg. 8.12-14-18, Section 8.12.2.2. Table 8.12-8. Table 8.12-9	Yes	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Pg. 8.12 –8, Section 8.12.1.3. Pg. 8.12-21, Section 8.12.2.2. Pg. 8.14-4 – 10, Section 8.14.2.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.12-11	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.12-11. Pg. 8.12-23, Section 8.12.5.2.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.12-11	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001

Technical Area: Traffic and Transportation

Project: Russell City Energy Center

Technical Staff: Mark R. Hamblin

Project Manager: Sandra Fromm

Docket: 01-AFC-07

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.12-11	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.12-12	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Transmission System Eng.
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 02 Date 6-11-2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A . McCuen

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 6.1 and 6.2 P 6-1 to P 6-5 Appendix 6B, p2-4	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	Section 6.2, P6-2 to p6-5 Appendix 6B	N.A.	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 6.2, p 5-7 Section 6.3.1, p 16-20 Figures 6.2-1 to 6.4-4 Appendix 6D, Personal conversation with Dan Wood, Power Flow diagrams	Yes	
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 6.1, p6-1 Sections 9.1 and 9.2, P 9-1 , 9-2 Section 9.5.2, p9.2—p9.22 Appendix 6	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Transmission System Eng.
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 02 Date 6-11-2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A . McCuen

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 6.2.2, P6-6 & p6-7 Appendix 6	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		See Obed	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		See Obed	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		See Obed	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		See Obed	

Adequacy Issue: Adequate Inadequate
 Technical Area: Transmission System Eng.
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 02 Date 6-11-2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A . McCuen

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).			
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.			
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.			

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Visual Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 1, 2001
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.13.1.2; pp. 8.13-2 - 8.13-3 Sec. 8.13.2.4; pp. 8.13-15 - 8.13-21 Sec. 8.13.3; p. 8.13-21 Sec. 5.13.4; pp. 8.13-21 - 8.13-23	No	Four, 228-foot tall KFAX Radio towers currently occupy the project site. These towers would be relocated as a result of the project. The AFC indicates that the City of Hayward is currently preparing an environmental document in compliance with CEQA that addresses the removal and relocation of the towers and that the City expects to complete their review by mid summer 2001. However, the AFC should discuss the visual impacts of the relocated radio towers as an indirect impact of the proposed power plant project. If a draft environmental document is available, it should be provided to staff as part of this data adequacy determination.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Sec. 8.13.1; pp. 8.13-1 - 8.13-4	Yes	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 8.13-1A & B	Yes	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Sec. 8.13.1.2; pp. 8.13-2 - 8.13-3	Yes	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Sec. 8.13.1; pp. 8.13-1 - 8.13-4	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Sec. 8.13.1.4; pp. 8.13-5 - 8.13-9	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Visual Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 1, 2001
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Sec. 8.13.1.4; pp. 8.13-4 - 8.13-9	Yes	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Sec. 8.13.2.3; Table 8.13.2; pp. 8.13-11 - 8.13-13	Yes	
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 8.13-3a - 8.13-9b	Yes	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Sec. 8.13.2.4; pp. 8.13-5 - 8.13-21	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.13-3; p. 8.13-23	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 1, 2001

Technical Area: Visual Resources

Project: Russell City Energy Center

Technical Staff: Eric Knight

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.13-3; p. 8.13-23	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 8.13.5.1, Sec. 8.13.5.2, & Table 8.13-4; pp. 8.13-24 - 8.13-25	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.13-3; p. 8.13-23	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate Inadequate
 Technical Area: Waste Management
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001
 Technical Staff: Mike Ringer
 Technical Senior: Bob Haussler

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	sec. 8.14.4.1 sec. 8.14.4.2	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	sec. 8.14.4.3	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	sec. 8.14.1.2 sec. 8.14.2.1 sec. 8.14.2.2 sec. 8.14.4.1 sec. 8.14.4.2 sec. 8.14.5 sec. 8.14.6	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix 8.14	YES	
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	sec. 8.14.2.1 sec. 8.14.2.2 Table 8.14-1	YES	

Adequacy Issue: Adequate Inadequate
 Technical Area: Waste Management
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001
 Technical Staff: Mike Ringer
 Technical Senior: Bob Haussler

Project: Russell City Energy Center
 Docket: 01-AFC-7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	sec. 8.14.3.1 sec. 8.14.3.2 Table 8.14-2	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	sec. 8.14.2.1 sec. 8.14.2.2 sec. 8.14.4.1 sec. 8.14.4.2 Table 8.14-1	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.14-3	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	sec. 8.14-8 Table 8.14-4	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	sec. 8.14.2 sec. 8.14.3 sec. 8.14.4	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.14-4	YES	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date May 30, 2001

Technical Area: Waste Management

Project: Russell City Energy Center

Technical Staff: Mike Ringer

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	sec. 8.14.9	YES	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Water Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 6.11.01
 Technical Staff: Joe Crea
 Technical Senior: Dick Anderson

Project: Russell City Energy Center
 Docket: 01 – AFC - 7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.15.1, p.8.15-1 to 9 Section 8.15-2, p.8.15-13 to 17 Section 8.15.2.5, p.8.15-20 to 22 Section 8.15.2.6, p.8.15-22 to 23 Section 8.15.3, p.8.15-24 Section 8.15.5, p.8.15-25 Section 2.3, p.2-27 to 40 Section 7, p.7-1 to 9	No	Please refer to additional discussions below and submit specified information.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:	_____	_____	_____
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Section 8.15.6.1, p.8.15-25 Table 8.15-5, p.8.15-27	No	According to the SFBRWQCB, any effluent discharged beyond the headworks of a waste treatment facility is treated as a separate discharge. Because this will be the case for the RCEC project, the applicant needs to submit a complete Report of Waste Discharge (ROWD) in order for the RWQCB to issue WDRs in the form of an NPDES permit. Please provide a complete ROWD that would enable the RWQCB to initiate the permit review process. Energy Commission staff has requested a letter from the SFBRWQCB regarding the status of an ROWD submission by the Applicant.
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Section 8.15.6.1, p.8.15-25 Section 8.15.6.4, p.8.15-27	No	As per Appendix B (g) (14) (A) (i), the RCEC would be treated as a separate discharge and will be handled by an NPDES permit for wastewater discharge. Provide a discussion on the aforementioned permit regarding applicability and conformance issues.

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Water Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 6.11.01
 Technical Staff: Joe Crea
 Technical Senior: Dick Anderson

Project: Russell City Energy Center
 Docket: 01 – AFC - 7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	_____	_____	_____
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 8.15.1.2, p.8.15-3 to 7	No	Please provide a hydrostratigraphic map that clearly identifies the aquifers in the area of the proposed project. This data, coupled with project earthmoving data, will allow staff to view aquifer locations and note areas for potential groundwater pumping and dewatering.
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Section 8.15.1.2, p.8.15-7 to9	No	Please provide mapping at a legible scale that identifies locations of all natural gas lines, water pipelines, transmission lines (along with tower locations), and laydown/parking areas with respects to all watercourses and wetlands.
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Section 8.15.1.2, p.8.15-9 Figure 8.15-3	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	_____	_____	_____
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Section 8.15.2.6, p.8.15-23 Section 8.15.2.2, p.8.15-13 to 15 Figure 7.1	No	The Applicant has indicated that the project will use effluent supply from the Union Sanitary District (USD) wastewater treatment plant in the event of an interruption with the City of Hayward WPCF. Please provide a discussion similar to the one provided for the City of Hayward WPCF/RCEC and all supporting water quantity and quality data related to the USD water source.
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Section 7.3, p.7-1 to 9 Table 7-1, p.7-3 Table 7-2, p.7-4 Table 7-3, p.7-7 Table 8.15-3, p.8.15-10	No	Tables 7.3 and 8.15-4 provide combined water quality characteristics for the Hayward Wastewater and RCEC discharge. Please provide separate water quality characteristics for the project wastewater.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 6.11.01

Technical Area: Water Resources

Project: Russell City Energy Center

Technical Staff: Joe Crea

Project Manager: Sandra Fromm

Docket: 01 – AFC - 7

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Section 8.15.2.2, p.8.15-13 to 15 Section 8.15.2.3, p.8.15-15 to 17 Section 2.2.7, p.2-11 to 13 Sections 7.3.1 to 7.4, p.7-1 to 9	Yes	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Section 8.15.2.5, p.8.15-20 to 21 Section 8.15.2.6, p.8.15-22 to 23 Section 2.3, p.2-27 to 38 Figure 2.2-4	No	Energy Commission staff finds Figure 2.3-2 (Water Pipeline Routes) to be confusing. Please provide legible drawings that show clear connection points and routes for the different water lines. Staff recommends the use of a mapping symbols legend to avoid plan congestion. Section 2.2.7.1 identifies RCEC operation requiring 43,730 acre-ft/year. Please provide further clarification regarding this large water demand. Section 2.2.18.4 references Appendix 5-A regarding information on water availability. This Appendix is an evaluation of the Natural Gas Pipeline. Please provide further clarification.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	_____	_____	_____
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Section 8.15.1.2, p.8.15-7 Section 8.15.2.5, p.8.15-20 to 21	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Water Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 6.11.01
 Technical Staff: Joe Crea
 Technical Senior: Dick Anderson

Project: Russell City Energy Center
 Docket: 01 – AFC - 7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Section 8.15.2.5, p.8.15-20 to 21	No	Please provide drawings that exhibit all stormwater infrastructures associated with the proposed project (stormwater pipe routes and discharge locations, inlets, oil/water separator locations). Please provide pre vs. post hydrologic calculations and design specifications/calculations for the proposed stormwater management basins. Please refer to Appendix B (h) (2) (Information Required to Make AFC Conform with Regulations).
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:	_____	_____	_____
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Section 8.15.2.2, p.8.15-3 to 14 Section 8.15.2.3, p.8.15-15 to 17 Appendix 7-A	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Section 8.15.2.2, p.8.15-13 to 15 Section 8.15.2.3, p.8.15-15 to 17 Section 8.15.2.5, p.8.15-20 to 21 Section 8.15.2.6, p.8.15-22 to 23	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Water Resources
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 6.11.01
 Technical Staff: Joe Crea
 Technical Senior: Dick Anderson

Project: Russell City Energy Center
 Docket: 01 – AFC - 7

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Section 8.15.1.2, p.8.15-9 Figure 8.15-3	No	<p>The Applicant has indicated that no project related facility is located within the 100-year or 500-year floodplain. Please provide mapping at a legible scale that identifies all natural gas, water pipelines, transmission lines (along with tower locations), and laydown/parking areas with respects to the FEMA Flood Zones.</p> <p>Also, Figure 8.15-3 displays a portion of the RCEC located within the 100-year flood zone. Please provide further clarification. If the project will be within the flood zone, provide a discussion on impacts and proposed mitigation measures.</p>
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.15-5, p.8.15-27 Table 8.2-7, p.8.2-26 to 27	No	<p>Please provide LORS information pertaining to the proposed backup water supply from the Union Sanitary District (USD) wastewater treatment plant.</p> <p>Provide a “will serve” letter from USD that accepts the Applicants proposal to use their water as backup supply.</p> <p>The “will serve” letter from the City of Hayward (Appendix 7A) does not indicate whether the City will accept sanitary wastewater. Please provide clarification regarding the aforementioned issue.</p>
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.15-6, p.8.15-28 Table 8.2-7, p.8.2-26 to 27	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 6.11.01

Technical Area: Water Resources

Project: Russell City Energy Center

Technical Staff: Joe Crea

Project Manager: Sandra Fromm

Docket: 01 – AFC - 7

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.15.6, p.8.15-25 to 27 Section 8.15.2.2, p.8.15-13 to 15 Section 8.15.2.3, p.8.15-15 to 17 Section 8.15.2.4, p.8.15-17 to 20	No	The Applicant has indicated drainage conformance related to the Alameda County Hydrology Manual referenced as A.3.3.4. Energy Commission staff was unable to locate the aforementioned reference and supporting information. Please provide the appropriate reference and supporting information related to drainage conformance.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.15-6, p.8.15-28 Table 8.2-8, p.8.2-31	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.15-7, p.8.15-29 Table 8.2-9, p.8.2-31	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Worker Safety
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Project: Russell City Energy Center
 Docket: 01-AFC-7

Revision No. 0 Date 6/5/01
 Technical Staff: Rick Tyler
 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.16	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 8.16	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Sections 2.0,5.0, 8.16	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	Section 8.16	Yes	
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);		Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)			
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);		Yes	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);		Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).		Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Worker Safety
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 6/5/01
 Project: Russell City Energy Center Technical Staff: Rick Tyler
 Docket: 01-AFC-7 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.16.4	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.16.4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.16.4	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.16-10	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.16.4	Yes	

DATA ADEQUACY WORKSHEET

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Air Quality
 Project Manager: Sandra Fromm

(Six Month Expedited Process)

Project: Russell City
 Docket: 01-AFC-7

Revision No. 00 Date June 5, 2001
 Technical Staff: Matt Layton
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including:			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 8.1-37 (pg. 8.1-50)	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.1.4.1 (pg. 8.1-12) Table 8.1-37 (pg. 8.1-50)	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 8.1-37 (pg. 8.1-50)	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(A) (Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NOx, SO2, CO, and PM10) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;	Section 8.1.7 (pg. 8.1-49) Appendix 8.1H	No	Appendix 8.1H is a cumulative impact analysis protocol. Please provide the completed cumulative impact analysis.

DATA ADEQUACY WORKSHEET

Adequacy Issue: Adequate _____ Inadequate **X**
 Technical Area: Air Quality
 Project Manager: Sandra Fromm

(Six Month Expedited Process)

Project: Russell City
 Docket: 01-AFC-7

Revision No. 00 Date June 5, 2001
 Technical Staff: Matt Layton
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(B) (Air Quality)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO ₂ , SO ₂ , CO, and PM ₁₀ ;	Section 8.1.5.1 (pg. 8.1-33)	No	Please provide a description of the projects planned initial commissioning phase including the type and duration of equipment tests, proposed monitoring to be used during such tests, estimates of all criteria pollutant emissions, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO₂, SO₂, CO, and PM₁₀.
§2022(b)(2)(C) (Air Quality)	A detailed description of the mitigation, which an applicant shall propose, for all impacts from criteria pollutants that currently exceed state or federal ambient air quality standards, but are not subject to offset requirements under the district's new source review rule;	Section 8.1.6.3 (pg. 8.1-43) Table 8.1-33 (pg. 8.1-44)	Yes	
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	Table 8.1-20 (pg. 8.1-25) Table 8.1-33 (pg. 8.1-44) Appendix 8.1A Appendix 8.1D	Yes	

dequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 5/29/01

Technical Area: Biological Resources

Project: Russell City Energy Center

Technical Staff: Rick York, Stuart Itoga

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	LORS Table, section 8.2.5, Table 8.2-7, pages 8.2-26-8.2-30.	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	LORS Table, section 8.2.5, Table 8.2.7, pages 8.2-26-8.2-30, Conformance Section.	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	NA	NA	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	LORS Table, section 8.2.5, Table 8.2.7, pages 8.2-26-8.2-30, Regulating Agency, Permit or Approval and Schedule and Status of Permit sections.	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

dequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 5/29/01

Technical Area: Biological Resources

Project: Russell City Energy Center

Technical Staff: Rick York, Stuart Itoga

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(F) (Biology)	A demonstration, based on appropriate data including, but not limited to, scientific surveys taken at the appropriate time of year, that the project will have no significant impact on wetlands, plant or animal species that are endangered, threatened, or of concern under state or federal law, or the areas listed in Public Resources Code section 25527;	Environmental Consequences, section 8.22, pages 8.2-18-8.2-25.	Yes	Additional rare plant survey information to be submitted by applicant upon completion of surveys scheduled for June and July 2001. AFC Section 8.2.1.9, page 8.2-13.

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 00 Date 5/28/01
 (Six Month Expedited Process)
 Technical Area: Cultural Resources _____ Project: Russell City Energy Center Technical Staff: Dorothy Torres
 Project Manager: Sandra Fromm _____ Docket: 01-AFC-7 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	AFC Vol 1, p. 8.3-18	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC Vol 1, p. 8.3-18	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		No	Please identify any ordinance or law that is expected to change and whether the project will comply with the changes. If no standards, ordinances or laws apply, please make that statement.
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	AFC Vol 1, p. 8.3-17	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date May 31, 2001

Technical Area: Facility Design

Project: Russell City Energy Center

Technical Staff: Shahab Khoshmashrab

Project Manager: Sandra Fromm

Docket: 01-AFC-07

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS	
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;				
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;		Table 10.4-1 §§ 2.4, 10.4	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;		Appendices 10-A through 10-G	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		None (no known changes in Facility Design LORS are anticipated).	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		§ 5.6 Tables 10.4-1, 10.4-2 §§ 10.5, 10.6	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 5/31/01

Technical Area: Geologic Hazards and Geologic Resources

Project: Russell City Energy Center

Technical Staff: Horacio Ferriz, Ph.D.

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including:			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 8.4-3 (p. 8.4-20)	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sections 8.4.2.1 and 8.4.2.2 (pp. 8.4-18 and 8.4-19)	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Not Applicable	N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 8.4-4 (p. 8.4-21) Table 8.4-5 (p.8.4-21)	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6/5/01

Technical Area: Hazardous Materials

Project: Russel City Energy Center

Technical Staff: Rick Tyler

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including:			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 8.5-10	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.5	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and			
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6/5/01

Technical Area: **Hazardous Materials**

Project: Russel City Energy Center

Technical Staff: Rick Tyler

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(G) (Hazardous Material)	<p>With respect to the handling of hazardous materials, a demonstration that:</p> <ul style="list-style-type: none"> i) the project will not use or store any regulated substance defined in Section 25532(g) of the California Health and Safety Code or ii) the project is eligible for Program 1 status pursuant to Section 68.10 of Part 68 of Title 40 of the Code of Federal Regulations or can demonstrate that no worst case accidental release would result in a plausibility (risk greater than 1 in 1,000,000) of an impact above the Emergency Response Planning Guideline, Level 2 (ERPG 2) at the nearest public receptor. 	Section 8.5	Yes	
§2022(b)(2)(H) (Hazardous Material)	<p>If the project will store or use a regulated substance defined in Section 25532(g) of the Health and Safety Code, a demonstration either that the boundary of the powerplant site will not be within 1000 feet of any residential area, school, general acute care hospital, long-term health care facility, or child day care facility as such terms are defined in section 25534.1 of the Health and Safety Code or that the project will pose no plausible potential for exposure at such facilities from an accidental release of the regulated substance; and</p>	Section 8.5	Yes	
§2022(b)(2)(I) (Hazardous Material)	<p>A demonstration that the proposed facility will not require storage of gaseous flammable or explosive materials in quantities greater than 25000 standard cubic feet;</p>	Section 8.5 Table 8.5-3	Yes	<p>While the application is data adequate it also indicates that the project does not comply with the requirements of the 6-month process. As proposed the project will involve storage of 95,000 scf of hydrogen.</p>

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 05/30/01

Technical Area: Land Use

Project: Russell City Energy Center

Technical Staff: David Flores

Project Manager: Sandra Fromm

Docket: 01-AFC--07

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	AFC pg. 8.6-14 through 17 Sec. 8.6.5 through 8.6.5.3	YES	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC pg. 5 through 7 Appendix 8.6-A AFC pg. 8.6-11 Sec. 8.6.2.2	YES	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	AFC pg. 8.6-9 & 10 Sec. 8.6.1.4	YES	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	AFC pg. 8.16-15 Table 8.6-2	YES	
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 05/30/01

Technical Area: Land Use

Project: Russell City Energy Center

Technical Staff: David Flores

Project Manager: Sandra Fromm

Docket: 01-AFC--07

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;	See Socioeconomics Worksheet for Data Adequacy.	N/A	
§2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and	See Socioeconomics Worksheet for Data Adequacy.	N/A	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6/5/01

Technical Area: NOISE

Project: Russell City Energy Center

Technical Staff: Buntin

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	AFC pp. 8.7-24 & 8.7-25	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC Section 8.7.2	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law; and	AFC pp. 8.7-24 & 8.7-25	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	AFC pp. 8.7-24 & 8.7-25	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 0 Date 5/31/01

Technical Area: Paleontologic Resources

Project: Russell City Energy Center

Technical Staff: Horacio Ferriz, Ph.D.

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including:			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 8.8-3 (p. 8.8-11)	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.8.5 (opening paragraph of section in p. 8.8-10)	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Not Applicable	N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Not Applicable	N/A	

Adequacy Issue:

Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date June 5, 2001

Technical Area: **Project Overview**

Project: Russell City

Technical Staff: Sandra Fromm

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including:			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	§2.4, §8.1-27, §8.1-37, §8.2.7, §8.3.1, §8.4.4, §8.5.5, §8.6.5, §8.7.5, §8.8.5, §8.8.5, §8.9.5, §8.9.5, §8.9.5, §8.10.5, §8.11.5, §8.12.5, §8.13.5, §8.14.7, §8.15.6, §8.16.4, §10.4	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	§8.1.4, §8.3.4, §8.4.4, §8.5.4, §8.6.4, §8.7.4, §8.8.4, §8.9.4, §8.10.14, §8.11.4, §8.12.4, §8.13.4, §8.15.3, §8.14.4	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	§2.4, §8.1-27, §8.1-37, §8.2.7, §8.3.1, §8.4.4, §8.5.5, §8.6.5, §8.7.5, §8.8.5, §8.8.5, §8.9.5, §8.9.5, §8.9.5, §8.10.5, §8.11.5, §8.12.5, §8.13.5, §8.14.7, §8.15.6, §8.16.4, §10.4	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	§8.1.6, §8.3.7, §8.4.7, §8.5.7, §8.6.7, §8.7.7, §8.8.7, §8.9.6, §8.10.7, §8.11.7, §8.12.7, §8.12.7, §8.13.7, §8.14.9, §8.16.5, §8.15.8	Yes	
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date June 5, 2001

Technical Area: Project Overview
Project Overview

Project: Russell City

Technical Staff: Sandra Fromm

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and		Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date May 29, 2001

Technical Area: Public Health & Transmission Line Safety and Nuisance

Project: Russell City

Technical Staff: Obed Odoemelum

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 6.0, pages 6-47, through 6-49. Section 8.1, page 8.1-18. Section 8.9, pages 8.9-15 and 8.9-16	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 6.0, pages 6-45 through 6-47. Section 8.9, pages 8.9-8 through 8.9-12	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	NA	NA	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 8.9, page 8.9-16	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	Section 8.1, pages 8.1-25 through 8.1-40.	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date May 29, 2001

Technical Area: Public Health & Transmission Line Safety and Nuisance

Project: Russell City

Technical Staff: Obed Odoemelam

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			
§2022(b)(4)(C) (Public Health)	Identification of available health studies concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site;	Section 8.9, pages 8.9-1 and 8.9-2	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date May 25, 2001

Technical Area: Socioeconomics

Project: Russell City Energy Center

Technical Staff: Amanda Stennick

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 8.10-10	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;		N/A	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6.11.01

Technical Area: Soil and Water Resources

Project: Russell City Energy Center

Technical Staff: Joe Crea

Project Manager: Sandra Fromm

Docket: 01 – AFC - 7

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 8.11-3 Table 8.15-5 Table 8.15-6 Table 8.11-5 Tables 8.15-5 and 8.15-7 Table 8.4-5 Table 8.15-5, p.8.15-27 Table 8.2-7, p.8.2-26 to 27 Table 8.15-6, p.8.15-28 Table 8.2-7, p.8.2-26 to 27	No	Please provide LORS information pertaining to the proposed backup water supply from the Union Sanitary District (USD) wastewater treatment plant. The “will serve” letter from the City of Hayward (Appendix 7A) does not indicate whether the City will accept sanitary wastewater. Please provide clarification regarding the aforementioned issue.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6.11.01

Technical Area: Soil and Water Resources

Project: Russell City Energy Center

Technical Staff: Joe Crea

Project Manager: Sandra Fromm

Docket: 01 – AFC - 7

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.11.5 Section 8.15.6, p.8.15-25 to 27	No	<p>According to the SFBRWQCB, any effluent discharged beyond the headworks of a waste treatment facility is treated as a separate discharge. Because this will be the case for the RCEC project, the applicant needs to submit a complete Report of Waste Discharge (ROWD) in order for the RWQCB to issue WDRs in the form of an NPDES permit. Please provide a complete ROWD that would enable the RWQCB to initiate the permit review process. Energy Commission staff has requested a letter from the SFBRWQCB regarding the status of an ROWD submission by the Applicant.</p> <p>As per Appendix B (g) (14) (A) (i), the RCEC would be treated as a separate discharge and will be handled by an NPDES permit for wastewater discharge. Provide a discussion on the aforementioned permit regarding applicability and conformance issues.</p> <p>Please provide LORS information pertaining to the proposed backup water supply from the Union Sanitary District (USD) wastewater treatment plant.</p>
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Refer to Siting Regulation §2022(b)(1)(B).	No	Refer to information provided in Siting Regulation §2022(b)(1)(B).

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6.11.01

Technical Area: Soil and Water Resources

Project: Russell City Energy Center

Technical Staff: Joe Crea

Project Manager: Sandra Fromm

Docket: 01 – AFC - 7

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (Water)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 8.15-6, p.8.15-28 Table 8.2-7, p.8.2-26 to 27 Table 8.11-5 Tables 8.15-5 and 8.15-7 Table 8.4-5	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);	Section 8.15.6, p.8.15-25 to 27	No	According to the SFBRWQCB, any effluent discharged beyond the headworks of a waste treatment facility is treated as a separate discharge. Because this will be the case for the RCEC project, the applicant needs to submit a complete Report of Waste Discharge (ROWD) in order for the RWQCB to issue WDRs in the form of an NPDES permit. Please provide a complete ROWD that would enable the RWQCB to initiate the permit review process. Energy Commission staff has requested a letter from the SFBRWQCB regarding the status of an ROWD submission by the Applicant. As per Appendix B (g) (14) (A) (i), the RCEC would be treated as a separate discharge and will be handled by an NPDES permit for wastewater discharge. Provide a discussion on the aforementioned permit regarding applicability and conformance issues.
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6.11.01

Technical Area: Soil and Water Resources

Project: Russell City Energy Center

Technical Staff: Joe Crea

Project Manager: Sandra Fromm

Docket: 01 – AFC - 7

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(5)(B) (Water)	A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.	Table 8.15-5, p.8.15-27 Table 8.2-7, p.8.2-26 to 27	No	Provide a "will serve" letter from USD that accepts the Applicants proposal to use their water as backup supply. The "will serve" letter from the City of Hayward (Appendix 7A) does not indicate whether the City will accept sanitary wastewater. Please provide clarification regarding the aforementioned issue.

Adequacy Issue: Adequate Inadequate
 Technical Area: TRAFFIC & TRANSPORTATION
 Project Manager: Sandra Fromm

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Project: RUSSELL CITY ENERGY CENTER
 Docket: 01-AFC-07

Revision No. 00 Date MAY 30, 2001

Technical Staff: MARK HAMBLIN

Technical Senior: EILEEN ALLEN

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Pg. 8.12-23 – 26, Section 8.12.5.1 and 8.12.5.2. Table 8.12-11	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Pg. 12-12 – 21, Section 8.12.2.2. Table 8.12-6. Table 8.12-7. Table 8-12-8, Table 8-12-9.	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Pg. 8.12-9	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 8.12-11	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 02 Date 6-11-2001

Technical Area: Transmission System Engineering

Project: Russell City Energy center

Technical Staff: S.F.Ghadiri

Project Manager: Sandra Fromm

Docket: 01AFC7

Technical Senior: A.A.McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 6.5, P 6-47, & 6-48	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 6.1, p6-1 Section 6.5, p6-47, & 6-48	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N.A.	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 6.5.7, p6-50	Yes	
§2022(b)(3) (TSE)	Substantial evidence that the project will not cause a significant adverse impact on the electrical system, including all of the following:			

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 02 Date 6-11-2001

Technical Area: Transmission System Engineering

Project: Russell City Energy center

Technical Staff: S.F.Ghadiri

Project Manager: Sandra Fromm

Docket: 01AFC7

Technical Senior: A.A.McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(3)(A) (TSE)	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and	Section 6.3, p 7-27 Sections 6.3.2, 6.3.3, & 6.3.4 Pages 20-21 Appendix 6 Section 6.3.2, p6-20 Personal conversation w/ Dan Wood, Power Flow diagrams	Yes	
§2022(b)(2)(B) (TSE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joints with the interconnected system;	Section 6.2, p 6-5 thru 6-7 Section 6.3.1, p 6-16 thru 6-20 Section 9.1, 9.2, p9-1, & 9-2 Section 9.5.2, p9-2 to 9-22 Appendix 6B, 6C, 6D, & 6E	Yes	

Adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date June 1, 2001
 (Six Month Expedited Process)
 Technical Area: Visual Resources _____ Project: Russell City Energy Center Technical Staff: Eric Knight
 Project Manager: Sandra Fromm _____ Docket: 01-AFC-7 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including:			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 8.13.5; Tables 8.13-3 & 8.13-4; pp. 8.13-23 - 8.13-25	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sections 8.13.5.1 - 8.13.5.3; Table 8.13-4; pp. 8.13-24 - 8.13-25	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		No	Page 8.6-9 of the AFC states that the City of Hayward is conducting an update of the General Plan to be completed during 2001. The visual section of the AFC does not indicate whether the proposed project will comply with the goals, policies, guidelines and standards of the updated General Plan. Please provide information from the City of Hayward documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the goals, policies, guidelines, and standards related to visual resources of the updated General Plan.
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 8.13-4; pp. 8.13-24 - 8.13-25	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date May 30, 2001

Technical Area: Waste Management

Project: Russell City Energy Center

Technical Staff: Mike Ringer

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	sec. 8.14.7 Table 8.14-3	YES	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	sec. 8.14.4.1 sec. 8.14.4.2	YES	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A		
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	sec. 8.14.9	YES	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 6/5/01

Technical Area: Worker Safety

Project: Russel City Energy Center

Technical Staff: Rick Tyler

Project Manager: Sandra Fromm

Docket: 01-AFC-7

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including:			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 8.16.4	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.16	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	